



## INTERNATIONAL CIVIL AVIATION ORGANIZATION

### MIDDLE EAST OFFICE

#### SEMINAR ON AERONAUTICAL COMMUNICATION INFRASTRUCTURE

(JEDDAH, SAUDI ARABIA, 06 – 07 NOVEMBER 2007)

#### SUMMARY OF DISCUSSIONS

### 1. INTRODUCTION

1.1 The participants of the Seminar would like to express their sincere gratitude and appreciation to the General Authority of Civil Aviation (GACA) of Saudi Arabia who hosted the Aeronautical Communication Infrastructure Seminar the first premises of Crown Plaza Jeddah hotel on 6th and 7th November 2007.

1.2 The Seminar was conducted in the framework of improving the communication infrastructure of in the Region; pursuant to MIDANPIRG/10 Conclusion 10/63, Organization of Communication Infrastructure Seminar. The Seminar was initially planned last year for ATN but was changed to Seminar on Aeronautical Communication Infrastructure instead of ATN Seminar in order to be inline with ICAO Strategic Objectives which are approached in terms of performance objectives. Further more the seminar was aligned with Global Plan Initiative 22 which is “Communication Network Infrastructure”. The requirement is to provide a communication infrastructure that supports the level of performance required for the region.

1.3 The Seminar was attended by a total of 82 participants from 8 States and 4 Organizations. The list of participants and speakers is available in **Attachment A** to this summary. Mr. Mohammed R.M. Khonji, ICAO Regional Director, Middle East Region and Eng. Mohammed Al-Salmi Vice President of Air Navigation Services of GACA, opened the Seminar.

1.4 Mr. Jim Nagle, Chief Communications, Navigations and Surveillance, ICAO Headquarters in Montreal was a presenter and facilitator of the seminar.

1.5 Mr. Raza Gulam Regional Officer Communications, Navigations and Surveillance, ICAO MID office acted as the secretary for the seminar.

### 2. PRESENTATIONS AND DISCUSSIONS

2.1 On the first day 06 November 2007 of the Seminar, participants were provided with presentations covering the following topics:

- a- Required Communication Performance (RCP)  
(Moving toward a performance-based air transportation system)
- b- Communications Operating Concept & Requirements (COCR)
- c- Future Communication Study

- d- Transition Issues
- e- Out come of ACP/1
- f- IPS developments
- g- Aeronautical Mobile Satellite (Route) Service

2.2 On the second day 07 November 2007 of the Seminar, participants were provided with presentations covering the following topics:

- a) The Technical Commission resolutions of 36<sup>th</sup> Session of the ICAO Assembly
- b) Comprehensive presentation on Vsat advantages, business case etc..
- c) AFIG (ACAC FANS Implementation Group) Report
- d) 2 presentation on Communication issues in the MID region
- e) Link 2000+ and VDL mode 2
- f) Case study on GACA VPN
- g) SESAR and NextGen program

2.3 After each presentation time was given for questions and answers which had shown very good interaction between participants and the speakers and resulted in the development of six recommendations as in **Attachment B** to this summary and these will be considered during the next subgroup meetings.

2.4 ICAO Regional Director, Middle East Region, distributed the certificates to participants and thanked Saudi Arabia the hosting State for their kind gesture for providing all the facilities for the successful conduct of this important seminar which came out with six recommendations that will benefit the MID Region, ICAO RD also thanked the speakers for their valuable information that contributed to the outcome finally he thanked the participants for their active participation and the useful questions and declared closing of the seminar.

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*International Civil Aviation Organization*

**First Aeronautical Communication Infrastructure Seminar**

**(Jeddah, 6-7 November 2007)**

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**RECOMMENDATIONS OF THE MID AERONAUTICAL COMMUNICATION  
INFRASTRUCTURE SEMANR**

Building upon the current communications infrastructure development in the region the following recommendations are put forward :

**RECOMMENDATION 1: Harmonization of implementation of communication infrastructure**

Taking into consideration the adoption the second amendment of the Global Plan the MID Region States should harmonize the implementation of communication infrastructure

**RECOMMENDATION 2: DEFINING COMMUNICATION PERFORMANCE OBJECTIVES**

The following are to be considered as the performance objectives for the region towards performance based communication supporting the ATM operational concept:

- a) Establish and adopt a RCP Methodology
- b) Introduction of data link usage to support the ATC at flight level 290 by 2010;
- c) Full data link based operations by 2015;
- d) Introduce ATN IPS as the standard inter networking for the MID Region
- e) Explore the advantages and capabilities of the usage of Vsat where appropriate
- f) Consider the integration of intra and adjacent regions areas.

**RECOMMENDATION 3: EXCHANGE OF EXPERIENCE FOR THE IMPLEMENTATION NEW CNS**

Implementation of CNS provisions should be considered as a global matter concerning all ICAO Regions, which thereby necessitates coordination and exchange of experience between States, ICAO and other national/regional and international organizations involved.

**RECOMMENDATION 4: COORDINATION BETWEEN STATES AND STAKE HOLDERS**

Collaboration between States, Stake holders (users, providers, integrators) should consider cost benefit equity.

**RECOMMENDATION 5: RESPONSIBILITY FOR THE PROVISION OF ANS**

States are encouraged to consider a consolidated action plans focused on the application of available procedures , processes and capabilities.

**RECOMMENDATION 6: ANP REQUIREMENTS RELATED TO CNS**

States have to implement what has been planned and agreed in the MID Region ANP and keep the plan current.

MID Regional Plan should support a performance-based approach to planning to support the Regional Planning implementation process.